Division	Department	Archives and Records Office Use Only
Information Technology		
Group		Filing Code
Archives & Records		ARO-6137
Location	69R0102	LBNL Accession Date
Transferee	Nelson,Karen	
Head of Department		FRC Accession No.
John Stoner		434 11
Records Title		
	erator And Cyclotron Development A	nd Use
	•	
Inclusive Date of Rec	ords	No of Containers
1938 1984		2 FRC Box
Brief description of r	ecords	
Fusion Research Division. Include Bevatron, and the HILAC and the	led are documents, photographs, drawings, r	ding 69 ARO shelves. Most of the material originates from the Accelerator and reports, publications relating to the 60" Cyclotron, the 184" Cyclotron, the 'ale, Kenneth Ehlers, Lynn Stevenson, William Brobeck. LRL electron cyclotron.
Materials		
Records Retention Historically Valuable D	ocuments. Do not destroy. A detailed	folder listing is included with the Records Transmittal
Destroy/Review on a so	heduled basis with a minimum retenti	ion of years. Disposal/Review Date:
This is in accordance		years. Disposariteview Date.
	General Retention Schedule. Citation	
The Department of Ene	rgy Retention Schedule. Citation	
Disposal Authorizatio		
The legal retention of the records listed on this Records Transmittal has elapsed. Since I forsee no use of these records, I authorize their disposal.		
	Signature of Department Head	Date

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Information Technology		ARO-6137	
Group Archives & Rec	cords		
Records Title			
Historical Records Of Acco	elerator And Cyclotron Development Ar	nd Use	
	Container	1 Of 2	
Folder	1 Reaction Dynamics for Sca	anners Physics Notes #300, 6/16/1961, M.L. Stevenson [copy]	
Folder	2 The Elementary Particles as M.L. Stevenson [copy]	The Elementary Particles as Seen in the Hydrogen Bubble Chamber Physics Notes #327, 8/28/196 M.L. Stevenson [copy]	
Folder	3 Accelerator Construction at 1981, William Brobeck	Accelerator Construction at the University of California Radiation Laboratory 1945-1955, June 23, 1981, William Brobeck	
Folder	Notes on a Tour of America	Medical Research Council Radiotherapeutic Research Unit Cyclotron Section Library No 533: Notes on a Tour of Americal Fixed Frequency Cyclotrons in the Autumn of 1950 by J.W. Gallop Hammersmith Hospital London W.12, Copy No. 53 [Mentions Berkeley]	
Folder	5 [Charles (Chuck) Corum sk	ketches and cartoons related to the Crocker Cyclotron, c. ealry 1950	s]
Folder	-	[Radiation Laboratory Bulletin and The Magnet newsletter articles related to the 60-Inch Cyclotron 1953-1966, 1977-1978, from the collection of Charles Corum]	
Folder	7 [Crocker Lab, 60-Inch Cycl	elotron Newsclippings 1957-1962, from the collection of Charles Co	rum
Folder		Cloud Chamber UCRL 66 Notes Nov. 1947 - Jan. 1948 n-p Scattering, W. Powell, E. Hayward, K. Brueckner [handwritten, copy]	
Folder	the first deuteron beam at the	[Letter from Edwin McMillan to James Vale, invitation to the 25th Anniversary dinner reunion for the first deuteron beam at the 184-Inch Cyclotron, dated October 13, 1971; The Magnet newsletter dated Oct - Nov 1971 with related aticle]	
Folder		I. Stanely Livingston and Edwin M. McMillan, Reprinted from Phys b. 18-34, October 1959 [from the collection of James Vale]	sics
Folder	11 Les Prix Nobel en 1951 The the collection of James Vale	ne Evolution of the Cyclotron by E.O. Lawrence Stockholm 1952 [fred]	om
Folder		-Inch Synchrocyclotron University of California Radiation Laborato il 1960 [from the collection of James Vale]	ory
Folder		yclotron L.R. Henrich, D.C. Sewell and J.Vale August 19, 1949, v of Scientific Instruments, vol. 20, No. 12, 887-898, December 1949 nes Vale]	9
Folder	14 History of the 184-Inch Cyc	coloron by James Vale 1973 [from the collection of James Vale]	

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Group	Archives & Records			
Record	ls Title			
Historica	l Records Of Accelerate	or And	Cyclotron Development And Use	
Folder		15	Reference Book For Bevatron Experiment	ers Book No. 16, William W. Salsig 1961
Folder		16	Heavy Ion Fusion Program Form #189 Pro	eject Descriptions 1976
Folder		17	Ion Source Research K. Ehlers Administration Notes, Travel, Communication, Equipment 1958-1960 [includes sketches and drawings]	
Folder		18	184 Club Beam newsletter published monthly by the 184 Club, February 1952-December 1962	
Folder		19	184 Club Beam newsletter published monthly by the 184 Club, January 1963 - November 1969	
Folder		20	27-Inch Cyclotron Restoration Source Book No. 2, 1976 [relates to a full-scale model that was built]	
Folder		21	Deuteron Photodisintegration at High Energies, William Gilbert, Thesis Dec. 7, 1951	
Logbook		22	William Gilbert Thesis Logbook with phot	tographs of equipment
			Container 2 Of [2
Folder		1	Paul C. Aebersold, "The Cyclotron: A Nuc	clear Transformer", Radiology 39/5 (Nov. 1942) 513-540
Folder		2	Dan Wilkes, "The Cyclotron", Califonia Monthly, c. 1946-1947 [Includes interview with J. Robert Oppenheimer]	
Folder		3	Allen F. Reid, "Internal Cyclotron Targets", Atoic Energy Commission, Oak Ridge, Tennessee, Technical Information Branch (MDDC-730)	
Folder		4	"The Cyclotron" from Pollard and Davidson, Applied Nuclear Physics, 1942	
Folder		5	J.D. Stranathan, "Recent Production of Extremely High Energy Particles" in The "Particles" of Modern Physics, 1942	
Folder		6	W.M. Brobeck, "The Cyclotron", in Electr	rical Engineering, July 1942
Folder		7	Robert R. Wilson, "The Theory of the Cyc	lotron", in Journal of Applied Physics, Dec. 1940
Folder		8	Robert R. Wilson, "Magnetic and Electros March 1938	tatic Focusing in the Cyclotron", Physical Review 53,
Folder		9	M.E. Rose, "Focusing and Maximum Ener	rgy of Ions in the Cyclotron", Physical Review 53, March

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Division		Department	Filing Code
Information Technology			ARO-6137
Group Archives & Records			
Records Title			
Historical Records Of Accelerator	r And	Cyclotron Development And Use	
Folder	10	M. Stanley Livingston, "The Cyclotron I" Journ	al of Applied Physics, 15, Feb. 1944
Folder	11	M. Stanley Livingston, "The Cyclotron II" Journ	nal of Applied Physics, 15, Feb. 1944
Folder	12	200 BeV Acclerator Design Study Summary, Lawrence Radiation Laboratory University of California UCRL-16000, June 1965	
Folder	13	200 BeV Acclerator Design Study I, Lawrence Radiation Laboratory University of California UCRL 16000, June 1965	
Folder	14	200 BeV Acclerator Design Study II, Lawrence Radiation Laboratory University of California UCRL-16000, June 1965	
Folder	15	Smithsonian Museum 340 MEV Synchrotron Exhibit, Sketches for Exhibit Installation Sept. 25, 1975, Rudin Johnson	
Video Cassette Case	16	Bevatron, VHS 1993 Lawrence Berkeley Laboratory Program Length: 23:10, 2 copies	
Video Cassette Case	17	Ken Ehlers Talk on History of Ion Source Development at LBL Part 1, 5/3/1984 VHS 0:59:23, DUB - 11/2/2001	
Video Cassette Case	18	Ken Ehlers Talk on History of Ion Source DevelopUB - 11/2/2001	lopment at LBL Part 2, 5/3/1984 VHS 0:50:00,
Folder	19	1945-1950. The narrator describes the equipme	eter of a narrator describing the 184" Cyclotron, c. nt used, the dimensions, types of isotopes, how it ecording is on both sides. Run time app. 10 minutes.
Folder	20	Drawing Diagram Side View of the 60 Inch Cyclotron, n.d.	
Folder	21	Radiation Laboratory Accelerators Comparative Specifications 60-Inch Cyclotron, 184-Inch Cyclotron, Synchrotron, Bevatron, 4-Mev Van De Graaff, 40-Ft. Linear Accelerator October 1951	
Folder	22	Draft Proposal for the Advanced Light Source,	ed. By Richard Sah July 28, 1982 AFRD LBL
Folder	23	Engineering Notes - Gap Mounted Flip Target N	MK VIII-T 7/7/59
Folder	24	SSC - Superconducting Super Collider Central	Design Group History J.D. Jackson Jan. 1999
Folder	25	LRL 5-Year Plan - High Energy Physics, G. Go	ldhaber 1969
Folder	26	Letter from Edwin McMillan to Ernest Lawrence of the Synchrotron and handwritten diagrams. J	te re: accelerator development. Includes description uly 4, 1945

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Division	1	Department	Filing Code
Informatio	on Technology		ARO-6137
Group	Archives & Records		
Records	s Title		
Historical	Records Of Accelerator A	nd Cyclotron Development And Use	
Folder	2	7 Handwritten notes and calculations of Edwin M	cMillan
Folder	2	3 Lawrence's Cyclotron, California Monthly May-	-June 1940

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